UNIVERSITY OF NORTH TEXAS SYLLABUS
MEEN 3100 MANUFACTURING PROCESSES SYLLABUS
SPRING 2019. 3 Credit hours

Instructor: Dr. Mark Wasikowski
Office Hours: NTDP F101L. Monday thru Thursday, 10 am to 12 pm.
Office Phone: (940) 369-8030
Email Address: mark.wasikowski@unt.edu (only emergencies)
Teaching Assistants: TBD
Lecture: TR 8:30–9:50 PM, NTDP B185

Prerequisite(s): NOT be pre-engineering major and passed the following “C” or better:
1) MEEN/ENGR 2332 Mechanics III, Stress Analysis (implies 2301 statics)
2) MTSE 3000/ENGR 3450 (Materials)

Catalog Course Description: Major manufacturing processes, their capabilities, analysis, and economics. Study of the fundamentals of engineering processes in manufacturing as related to design and production and materials properties. Traditional and non-traditional manufacturing process and selection optimization. Students given laboratory assignments in material removal, forming, casting, joining, forging, and computer aided machining.


ABET OUTCOMES: This course addresses following ABET program outcomes:
1) Describe / develop theory encountered in discipline of material science & manufacturing processes.
2) Develop ability to properly assess capabilities, limitations and potentials of manufacturing processes and their competitive aspects.
3) Describe new developments in materials, production methods, and computer integration of both technological and managerial activities in manufacturing.
4) Define, evaluate and select appropriate materials for design and manufacturing.
5) Apply computer aided manufacturing techniques.
6) Execute practical aspects of manufacturing processes via laboratory experimentation.

GRADES:

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Attendance</td>
<td>15%</td>
<td>~ ½ point per class</td>
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<tr>
<td>Homework</td>
<td>15%</td>
<td>~ 14 weeks</td>
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<tr>
<td>6 Quizzes</td>
<td>30%</td>
<td>5 points each</td>
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<td>Final Exam</td>
<td>15%</td>
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<tr>
<td>Labs</td>
<td>25%</td>
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<tr>
<td>Safety Quiz</td>
<td>P/F</td>
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A: >= 90.0
B: >= 80.0
C: >= 70.0
D: >= 60.0
F: < 60.0
Re-grade request must be made within 2 days of being posted to CANVAS. Entire exam re-graded, which may result in lower score. No make-ups. Only Exception University excused absences with documentation.

**Attendance:** taken at beginning of class either roll call or iClicker. Must be present when taken. No late attendance. iClicker participation out of class is academic dishonesty.

**Homework:** On-line multiple choice through CANVAS. Due dates end of week.

**Quizzes:** closed book multiple choice on Thursday's.

**Final Exam:** closed book comprehensive multiple choice.

**Labs:** Attendance mandatory. Reinforce lecture by experiment. No work performed without staff supervision. Group learning. Each student performs each lab by completing lab assignment handout with on-line submission - not group grading.

**Safety** –student must attend safety lecture and pass open note safety quiz. Quiz graded pass / fail. Passing is considered 95% correct answers. If student fails, safety presentation must be re-taken, and quiz taken again until pass. May not enter lab until quiz complete.

**COURSE SAFETY PROCEDURES** Students required to use proper safety procedures per UNT Policy 06.038 in lab activities. UNT not liable for injuries incurred participating in class activities. Students encouraged to secure insurance in event of accidental injury. Students who do not have insurance should consider Policy 06.049. Brochures for insurance available in Student Health and Wellness Center. Students injured in lab activities may seek medical attention at Student Health and Wellness Center at rates reduced compared to other facilities. If students have insurance other than Student Health Insurance, be sure plan covers treatment at this facility. If students choose not to go to Health and Wellness Center, they may be transported to local hospital. Students are responsible for expenses.

**ACCEPTABLE STUDENT BEHAVIOR** Course follows student Code of Student Conduct at deanofstudents.unt.edu/conduct.

**ACADEMIC INTEGRITY STANDARDS AND SANCTIONS FOR VIOLATIONS** Course follows UNT Policy 06.003. Academic dishonesty not tolerated and will result in zero.

**ADA STATEMENT** Course follows UNT learning disability policy at disability.unt.edu

**STUDENT PERCEPTIONS OF TEACHING EFFECTIVENESS (SPOT)** Course participates in SPOT evaluations (http://spot.unt.edu/ or email spot@unt.edu).

**RETENTION OF STUDENT RECORDS** Course follows Family Educational Rights and Privacy Act (FERPA) laws and UNT Policy 10.10, Records Management and Retention.

**SYLLABUS CHANGES** Instructor reserves right change syllabus. Any changes announced in class and posted to CANVAS with an accompanying email to student’s UNT email address.